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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/677,663
Filing Date	
First Named Inventor	Thomas J. Pinnavaia
Group Art Unit	
Examiner Name	
Attorney Docket Number	MSU 4.1-544

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	U.S. Patent Document Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JWD	AA	4,178,352		Vaughan et al	12/1979	
	AB	3,574,538		McDaniel et al	4/1971	
	AC	3,808,326		McDaniel et al	4/1974	
	AD	3,671,191		Maher et al	6/1972	
↓	AE	3,789,107		Elliott	1/1974	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Foreign Patent Document Number[4]	Foreign Patent Document Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	1/6/05

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[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 4

Complete If Known	
Application Number	10/677,663
Filing Date	
First Named Inventor	Thomas J.Pinnavaia
Group Art Unit	
Examiner Name	
Attorney Docket Number	MSU 4.1-544

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	A1	Ryoo, R., et al., Chem. Commun. 2225 (1997)	
	A2	Luan, Z.H., et al., J. Phys. Chem. 99 10590 (1995)	
	A3	Corma, A., et al., J. Catal. 148 569-574 (1994)	
	A4	Beck, J. S., et al., J. Am. Chem. Soc. 114 10834 (1992)	
	A5	Chen, C-Y., et al., Microporous Mater. 2 17 (1993)	
	A6	Borade, R. B., et al., Catal. Lett 31 267 (1994)	
	A7	Hamdan, H., et al., J. Chem. Soc. Faraday Trans 92 2311 (1996)	
	A8	Janicke, M. T., et al., Chem. Mater. 11 1342 (1999)	
	A9	Mokaya, R., et al., Chem. Commun. 2185 (1997)	
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	A 11	Corma, A., Chem. Rev. 2373 (1997)	

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Sheet 3 of 4

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Examiner Name	
Attorney Docket Number	MSU 4.1-544

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JMH	A 12	Mokaya, R., Angew. Chem. Int. Ed. 38 No. 19 2930 (1999)	
	A 13	Lechert et al., Stud. Surf. Sci. Catal., 84, 147 (1994)	
	A 14	Robson ACS Sym. Ser., 398 436 (1989)	
	A 15	Lok et al., Zeolites, 3 282 (1983)	
	A 16	Watson, J. N., et al., J. Chem. Soc., Faraday Trans. (94) 2181 (1998)	
	A 17	deMoor, P.P.E.A. ET AL., Chem. Mater. (11) 36 (1999)	
	A 18	deMoor, P.P.E.A. ET AL., J. Phys. Chem. B (103) 1639 (1999)	
	A 19	deMoor, P.P.E.A., et al., Stud. Surf. Sci. Catal 105 341 (1997)	
	A 20	Zones, S.I., et al., Microporous Mesoporous. Mater. 21, 199 (1998)	
	A 21	Boyett, R.E., et al., Zeolites (17) 508 (1996)	
↓	A 22	Lippmaa et al., J. Amer. Chem. Soc. 108 1730 (1986)	

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Sheet 4 of 4

Complete If Known	
Application Number	10/677 663
Filing Date	
First Named Inventor	Thomas J.Pinnavaia
Group Art Unit	
Examiner Name	
Attorney Docket Number	MSU 4.1-544

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	A 24	White et al., J. Chem. Soc., Faraday Trans. 94 2181 (1998)	
	A 25	Stucky et al., J. AM. Chem. Soc. 121:254 (1999)	
	A 26	van Santen et al., J. Phys. Chem. 103 1639-1650 (1999)	
	A 27	Kloetstra et al (Chem. Commun. 2281 (1997)	
	A 28	J. Perez-Pariente, J. A. Martens and P. A. Jacobs, Applied Catalysis, 31, 35 (1998)	
	A 29	Kim, S.S., et al., Science, 282 1302 (1998)	
	A 30	Bagshaw, et al., Chem. Commun. 533-534 (2000)	

Examiner Signature	[signature]	Date Considered	1/6/05

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